

# Thomas Șerban von Davier

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## EDUCATION

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University of Oxford, Oxford, UK 2024

*Doctor of Philosophy in Computer Science, DPhil*

Carnegie Mellon University, Pittsburgh, PA, USA 2019

*Master of Human Computer Interaction, MHCI*

Carnegie Mellon University, Pittsburgh, PA, USA 2019

*Bachelor of Science, Human Computer Interaction and Psychology*

## PROFESSIONAL EXPERIENCE

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Carnegie Mellon University Software Engineering Institute, Arlington, VA, USA Present

*AI Research Scientist*

- Implemented established AI models for specific customer use cases.
- Developed custom generative AI toolkits based on industry standard LLMs.
- Led teams of AI researchers to study the integration of predictive models into novel applications.

Oxford Centre for Technology and Development (OCTD), Oxford, UK Present

*Senior Academic Researcher*

- Advised major technology companies on how to access missing datasets.
- Collaborated between start-ups and established Fortune 500 companies on AI literature.

Big Dada Ltd., Oxford, UK 2023 - 2024

*Full Stack Developer*

- Built back-end architecture to handle unstructured text and image data for computer vision systems.
- Established an elastic search interface that linked with a computer vision algorithm to analyze text contained within images.

Chemistry Agency, Pittsburgh, PA, USA 2019 - 2022

*Senior Research Data Engineer*

- Operationalized major datasets to customize recommender systems for audience targeting.
- Analyzed big data problems for clients to address issues preventing them from maximizing their KPIs.

## SKILLS

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**Programming languages:** Python, C++, Javascript, HTML, CSS, R, C#, Go

**Computer software/ frameworks:** Microsoft Office Suite, Adobe Creative Cloud, React, Node, Docker, Angular, BigQuery, TensorFlow, Keras, PyTorch, Git, AWS, Google Analytics, Figma

**Languages:** English (fluent), German (fluent), Spanish (professional), Romanian (intermediate)